

AMENDMENT

Claim Amendments

1. (original) A wireless remote control unit for use with a low noise UV photodetector comprising:
 - a UV LED that emits light having a dominant wavelength below about 400 nm;
 - a microprocessor connected to the LED for controlling the emitted light; and
 - an energy storage device for storing electrical energy and for powering the LED and the microprocessor.
2. (original) The remote control unit of claim 1, wherein the LED emits light having a dominant wavelength below about 320 nm.
3. (original) The remote control unit of claim 2, wherein the LED emits light having a dominant wavelength below about 280 nm.
4. (original) The remote control unit of claim 1, wherein the light emitting diode generates less than about 1 milliWatt of UV light energy during communication with the photodetector at a distance of up to about 10 meters.
5. (original) The remote control unit of claim 4, wherein the light emitting diode generates less than about 1 microWatt of UV light energy during communication with the photodetector at the distance.
6. (original) The remote control unit of claim 5, wherein the light emitting diode generates less than about 1 nanoWatt of UV light energy during communication with the photodetector at the distance.
7. (original) The remote control unit of claim 6, wherein the light emitting diode generates less than about 1 picoWatt of UV light energy during communication with the photodetector at the distance.

8. (original) The remote control unit of claim 1, wherein the light emitting diode generates less than about 1 milliWatt of UV light energy during communication with the photodetector at a distance of up to about 100 meters.
9. (original) The remote control unit of claim 8, wherein the light emitting diode generates less than about 1 microWatt of UV light energy during communication with the photodetector at the distance.
10. (original) The remote control unit of claim 9, wherein the light emitting diode generates less than about 1 nanoWatt of UV light energy during communication with the photodetector at the distance.
11. (original) The remote control unit of claim 1, wherein the light emitting diode generates less than about 1 milliWatt of UV light energy during communication with the photodetector at a distance of up to about 1000 meters.
12. (original) The remote control unit of claim 11, wherein the light emitting diode generates less than about 1 microWatt of UV light energy during communication with the photodetector at the distance.
13. (original) The remote control unit of claim 12, wherein the light emitting diode generates less than about 1 nanoWatt of UV light energy during communication with the photodetector at the distance.
14. (original) The remote control unit of claim 1, further comprising a transducer that converts a non-electrical energy source into the electrical energy.
15. (original) The remote control unit of claim 14, wherein the non-electrical energy source is selected from a group consisting of a sound wave, a light wave, an elevated temperature source, and a pressure source.
16. (original) The remote control unit of claim 14, wherein the transducer is selected from a group consisting of a piezoelectric crystal, a microphone, and a photoelectric cell.
17. (original) The remote control unit of claim 1, wherein the energy storage device comprises a capacitor for storing electrical charge temporarily, wherein the capacitor comprises at least two metallic elements separated and insulated from each other by a dielectric material.
18. (original) The remote control unit of claim 17, wherein the capacitor has a capacitance less than about 800 microfarads and wherein the energy storage device does not

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comprise a battery selected from a group consisting of a sealed Lead acid battery, a Nickel-Cadmium battery, a Nickel-Metal Hydride battery, a Lithium ion battery, a Zinc-air battery, a flooded Lead acid battery, and an Alkaline battery, and any combination thereof.

19. (original) The remote control unit of claim 1, wherein the energy storage device comprises a battery, wherein the battery is selected from a group consisting of a sealed Lead acid battery, a Nickel-Cadmium battery, a Nickel-Metal Hydride battery, a Lithium ion battery, a Zinc-air battery, a flooded Lead acid battery, and an Alkaline battery, and any combination thereof.

20. (original) The remote control unit of claim 1, wherein the remote control unit is programmed to control a television, a garage door opener, a cordless telephone, and any combination thereof.

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